

1
2 **In the Claims**

3 Claims 1-21 and 26 were previously cancelled.

4 Claims 22-25 and 27-31 remain in the application and are listed below.

5
6 1-21. (Canceled).

7
8 22. (Previously Presented) A system for securing data communication
9 between an internet computer network and an external computer network,
10 comprising:

11 a client located in the internal computer network;

12 a server located in the external computer network and in communication
13 with the client; and

14 an application-level gateway proxy device comprising:

15 components for (1) performing, at a packet level, a network address
16 translation upon a stream of packets originating from the client and (2) filtering, at
17 a stream level, the stream of packets and transmitting the packets to the server,
18 wherein the filtering is transparent to the client; and

19 a communications socket internal to the application-level gateway
20 proxy device and communicatively connected to the components for (1)
21 performing the network address translation and (2) filtering.

22
23 23. (Previously Presented) The system of claim 22, wherein the
24 components of the proxy device comprise:
25

1 a first component for filtering said stream of packets, and also for filtering,
2 at a stream level and transparent to the client, a second stream of packets
3 originating from the server; and

4 a second component for performing said network address translation, and
5 also for performing, at a packet level, a reverse network address translation with
6 respect to the packets in the second stream and transmitting the packets in the
7 second stream to the client.

8
9 24. (Previously Presented) An application-level gateway proxy device,
10 comprising:

11 a component for performing, at a packet level, a network address translation
12 with respect to a stream of packets originating from a client in an internal network,
13 wherein the client is communicating the stream of packets to a server located in an
14 external network;

15 a component for filtering, at a stream level, the stream of packets, wherein
16 the filtering is transparent to the client;

17 a communication socket internal to the application-level gateway proxy
18 device and communicatively connected to:

19 the component for performing the network address translation; and

20 the component for filtering; and

21 a component for transmitting the packets to the server after the packets are
22 filtered.

23
24 25. (Previously Presented) The proxy device of claim 24, further
25 comprising:

1 a component for filtering, at a stream level and transparently to the client, a
2 second stream of packets originating from the server;

3 a component for performing, at a packet level, a reverse network address
4 translation upon the packet in the second stream; and

5 a component for transmitting the packet in the second stream to the client.

6
7 26. (Canceled).

8
9 27. (Previously Presented) The method of claim 24, wherein filtering the
10 stream of packets comprises transforming the stream.

11
12 28. (Previously Presented) The method of claim 24, wherein filtering the
13 stream of packets comprises compressing the stream.

14
15 29. (Previously Presented) The method of claim 24, wherein filtering
16 comprises content monitoring, content restriction, stream transformation, traffic
17 redirection and combinations thereof.

18
19 30. (Previously Presented) A computer-implemented method for
20 communication between a first network and a second network comprising:

21 intercepting, at a first external socket of a proxy network address translation
22 device, a stream of packets;

23 performing, at a first internal component of the proxy network address
24 translation device, a network address translation upon the stream of packets, the
25 network address translation occurring at a packet level;

1 transmitting, from the first internal component of the proxy network
2 address translation device, the translated stream of packets;

3 filtering, at the second internal component of the proxy network address
4 translation device, the translated stream of packets, the filtering occurring at a
5 stream level; and

6 transmitting, from the second external socket of the proxy network address
7 translation device, the translated and filtered stream of packets.

8
9 31. (Previously Presented) The method of claim 30, wherein transmitting
10 from the first internal component of the proxy network address translation device
11 to the second internal component of the proxy network address translation device
12 comprises transmitting the translated stream of packets through an internal socket
13 of the proxy network address translation service.